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(7) Applicant: TEXAS INSTRUMENTS LIMITED Manton Lane Bedford MK41 7PA (GB) (72) Inventor: Ritchie, James Kenneth Alexander 31 Lovell Road Bedford, MK42 0LR (GB)

Inventor: Abbott, David 156 Tyne Crescent Bedford,MK41 7YB (GB) Inventor: Anderson, Adrian

Trellech Grange Chepstow, Gwent NG6 6QW (GB)

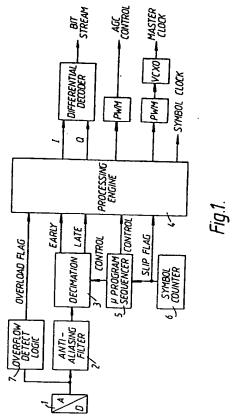
Inventor: Parris, Clifford

3 Park Glade Tintern, Gwent NP6 6TX (GB)

(A) Representative: Abbott, David John et al Abel & Imray Northumberland House 303-306 High Holborn London, WC1V 7LH (GB)

64 Method and apparatus for signal processing.

signal has sampling and digitizing means converting the signal into a succession of digital samples. The digital samples pass through an anti-aliasing digital comb filter to a selector (decimator) that selects one sample in three and feeds it to a second digital filter. Digital matched filters for the in-phase (I) and quadrature (Q) components of the signal effect the demodulation. Carrier and symbols I tracking is carried out digitally. A pulse-width modulated automatic gain control signal is produced for controlling the amplitude of the signal applied to the sampling and digitizing means.



Jouve, 18, rue Saint-Denis, 75001 PARIS



EUROPEAN SEARCH REPORT

Application Number

EP 92 30 3892 Page 1

Category	Citation of document with indication, where appropriate, of relevant passages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5) HO4N9/64 HO4N9/66 HO4N5/60
X		04 576 (DEUTSCHE ITT INDUSTRIES		
Υ			22,25-29 11 12,14	11
A	* the whole document	whole document *		
Y	ELEKTRONIK, vol.39, München, DE, XPO0010 T. HILPERT et al.: Multistandard-Audio	11		
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L	ELEKTOR ELECTRONICS, May, 1992, XP000290987, pages 34-38,39-42; R. KRIJGSMAN: 'NICAM decoder' * the whole document * [cited as reference to Micronas chip set]		-	•
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	Place of search	Date of completion of the search		Executes
	THE HAGUE	11 MAY 1993		HOEKSTRA A.
Y: p2	CATEGORY OF CITED DOCUME tricularly relevant if taken alone tricularly relevant if combined with an combined with an chological background	E : earlier patent d after the filing other D : document cited L : document cited	ocument, but put date I in the application for other reasons	olished on, or on

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EUROPEAN SEARCH REPORT

Application Number

EP 92 30 3892 Page 2

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THE HAGUE CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		T: then E: earl afte D: doc L: doc	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filling date D: document cited in the application L: document cited for other reasons A: member of the same patent family, corresponding		